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RAW SEQUENCE LISTING

DATE: 05/21/2003

PATENT APPLICATION: US/09/640,737C

TIME: 09:00:37

Input Set : A:\36668.txt

Output Set: N:\CRF4\05212003\I640737C.raw

5 <110> APPLICANT: MANDELKOW ET AL.
7 <120> TITLE OF INVENTION: NOVEL TOOLS FOR THE DIAGNOSIS AND TREATMENT OF ALZHEIMER'S
DISEASE

9 <130> FILE REFERENCE: 28384/36668

11 <140> CURRENT APPLICATION NUMBER: US 09/640,737C

12 <141> CURRENT FILING DATE: 2000-08-17

14 <150> PRIOR APPLICATION NUMBER: US 08/244,603

15 <151> PRIOR FILING DATE: 1994-06-03

17 <160> NUMBER OF SEQ ID NOS: 37

19 <170> SOFTWARE: PatentIn version 3.1

21 <210> SEQ ID NO: 1

22 <211> LENGTH: 441

23 <212> TYPE: PRT

24 <213> ORGANISM: Homo sapiens

27 <400> SEQUENCE: 1

29 Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly

30 1 5 10 15

33 Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His

34 20 25 30

37 Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu

38 35 40 45

41 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser

42 50 55 60

45 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val

46 65 70 75 80

49 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu

50 85 90 95

53 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro

54 100 105 110

57 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val

58 115 120 125

61 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly

62 130 135 140

65 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro

66 145 150 155 160

69 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro

70 165 170 175

73 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly

74 180 185 190

77 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser

78 195 200 205

81 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys

82 210 215 220

85 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys

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86 225          230          235          240
89 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
90          245          250          255
93 Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
94          260          265          270
97 Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
98          275          280          285
101 Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
102          290          295          300
105 Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
106 305          310          315          320
109 Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
110          325          330          335
113 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
114          340          345          350
117 Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
118          355          360          365
121 Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
122          370          375          380
125 Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
126 385          390          395          400
129 Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
130          405          410          415
133 Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val
134          420          425          430
137 Ser Ala Ser Leu Ala Lys Gln Gly Leu
138          435          440
141 <210> SEQ ID NO: 2
142 <211> LENGTH: 6
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic peptide
149 <400> SEQUENCE: 2
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152 1          5
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157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic peptide
163 <400> SEQUENCE: 3
165 Tyr Ser Ser Pro Gly Ser Pro
166 1          5
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 6
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial sequence

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173 <220> FEATURE:
174 <223> OTHER INFORMATION: Synthetic peptide
176 <400> SEQUENCE: 4
178 Pro Gly Ser Pro Gly Thr
179 1 5
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184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Synthetic peptide
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193 1 5 10
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198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial sequence
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202 <223> OTHER INFORMATION: Synthetic peptide
204 <400> SEQUENCE: 6
206 Pro Lys Ser Pro Ser Ser
207 1 5
210 <210> SEQ ID NO: 7
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212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Synthetic peptide
218 <400> SEQUENCE: 7
220 Tyr Lys Ser Pro Val Val Ser
221 1 5
224 <210> SEQ ID NO: 8
225 <211> LENGTH: 7
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial sequence
229 <220> FEATURE:
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232 <400> SEQUENCE: 8
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235 1 5
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240 <212> TYPE: PRT
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244 <223> OTHER INFORMATION: Synthetic peptide
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Input Set : A:\36668.txt

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262 Pro Leu Gln Thr Pro Thr.Glu
263 1 5
266 <210> SEQ ID NO: 11
267 <211> LENGTH: 12
268 <212> TYPE: PRT
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277 1 5 10
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291 1 5
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296 <212> TYPE: PRT
297 <213> ORGANISM: Artificial sequence
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300 <223> OTHER INFORMATION: Synthetic peptide
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304 Ile Gly Asp Thr Pro Ser Leu
305 1 5
308 <210> SEQ ID NO: 14
309 <211> LENGTH: 8
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Synthetic peptide
316 <400> SEQUENCE: 14
318 Lys Ile Ala Thr Pro Arg Gly Ala
319 1 5
322 <210> SEQ ID NO: 15
323 <211> LENGTH: 7
324 <212> TYPE: PRT

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333 1 5
335 <210> SEQ ID NO: 16
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337 <212> TYPE: PRT
338 <213> ORGANISM: Artificial sequence
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341 <223> OTHER INFORMATION: Synthetic peptide
343 <400> SEQUENCE: 16
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346 1 5
349 <210> SEQ ID NO: 17
350 <211> LENGTH: 13
351 <212> TYPE: PRT
352 <213> ORGANISM: Artificial sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Synthetic peptide
357 <400> SEQUENCE: 17
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360 1 5 10
363 <210> SEQ ID NO: 18
364 <211> LENGTH: 7
365 <212> TYPE: PRT
366 <213> ORGANISM: Artificial sequence
368 <220> FEATURE:
369 <223> OTHER INFORMATION: Synthetic peptide
371 <400> SEQUENCE: 18
373 Ser Pro Gly Thr Pro Gly Ser
374 1 5
377 <210> SEQ ID NO: 19
378 <211> LENGTH: 7
379 <212> TYPE: PRT
380 <213> ORGANISM: Artificial sequence
382 <220> FEATURE:
383 <223> OTHER INFORMATION: Synthetic peptide
385 <400> SEQUENCE: 19
387 Arg Ser Arg Thr Pro Ser Leu
388 1 5
390 <210> SEQ ID NO: 20
391 <211> LENGTH: 7
392 <212> TYPE: PRT
393 <213> ORGANISM: Artificial sequence
395 <220> FEATURE:
396 <223> OTHER INFORMATION: Synthetic peptide
398 <400> SEQUENCE: 20

VERIFICATION SUMMARY

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